## WHAT IS CLAIMED IS:

1. An electrophotographic photosensitive drum for use in an electrophotographic image forming apparatus and supported rotatably by a drum shaft, comprising:

a cylinder having an electrophotographic photosensitive member provided on the surface thereof; and

direction of the cylinder, wherein the flange has an outer peripheral portion, a hole portion engaging the drum shaft and multiple ribs extended radiantly in the radius direction, and the flange is caulked by bending part of the cylinder inwardly in the radius direction at two positions opposing each other across the hole portion, the two positions being other than positions at which the multiple ribs intersect the outer peripheral portion in the extending directions thereof.

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- 2. An electrophotographic photosensitive drum according to claim 1, wherein the flange has a concave portion provided in the outer peripheral portion and part of the cylinder is bent inwardly in the radius direction and caulked to the cylinder.
  - 3. An electrophotographic photosensitive drum

according to claim 1, wherein the flange has annular ribs provided between the outer peripheral portion and the hole portion.

- 4. An electrophotographic photosensitive drum according to claim 1, wherein the electrophotographic photosensitive drum is mounted on a process cartridge attachable to/detachable from the main body of the electrophotographic image forming apparatus, and the electrophotographic photosensitive drum is used for forming an image on a recording medium when the process cartridge is mounted on the main body of the electrophotographic image forming apparatus.
- 5. A process cartridge attachable to/detachable from an electrophotographic image forming apparatus, comprising:
  - (i) a cartridge frame body;
- (ii) a drum shaft supported by the cartridge
  20 frame body; and
  - (iii) an electrophotographic photosensitive drum supported rotatably by the drum shaft, including: a cylinder having an electrophotographic photosensitive member provided on the surface
- 25 thereof; and flanges provided on end portions in the axial direction of the cylinder, wherein the flange has an outer peripheral portion, a hole portion

engaging the drum shaft and multiple ribs extended radiantly in the radius direction, and the flange is caulked by bending part of the cylinder inwardly in the radius direction at two positions opposing each other across the hole portion, the two positions being other than positions at which the multiple ribs intersect the outer peripheral portion in the extending directions thereof; and

(iv) process means for acting for the10 electrophotographic photosensitive drum.

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- 6. A process cartridge according to claim 5, wherein the flange has a concave portion provided in the outer peripheral portion and part of the cylinder is bent inwardly in the radius direction and caulked to the cylinder.
- 7. A process cartridge according to claim 5 wherein the flange has annular ribs provided between20 the outer peripheral portion and the hole portion.
  - 8. An electrophotographic photosensitive drum for use in an electrophotographic image forming apparatus and supported rotatably by a drum shaft, comprising:
  - a cylinder having an electrophotographic photosensitive member provided on the surface

thereof; and

flanges provided on end portions in the axial direction of the cylinder, wherein the flange has an outer peripheral portion, a hole portion engaging the drum shaft and a groove which engages a fixing pin provided in the drum shaft in a direction of intersecting the drum shaft, the groove being extended in the radius direction and transmitting a driving force of the drum shaft, and the flange is caulked by bending part of the cylinder inwardly in the radius direction at two positions opposing each other across the hole portion, at which the groove intersects the outer peripheral portion in an extending direction thereof.

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- 9. An electrophotographic photosensitive drum according to claim 8, wherein the flange has a concave portion provided in the outer peripheral portion and part of the cylinder is bent inwardly in the radius direction and caulked to the cylinder.
- 10. An electrophotographic photosensitive drum according to claim 8, wherein the flange has a rib extended radiantly in the radius direction on the face of a side opposite to the side on which the groove is provided in the axial direction, and part of the cylinder is caulked at positions other than

the positions at which the rib intersects the outer peripheral portion in an extending direction of the rib.

- 11. An electrophotographic photosensitive drum according to claim 8, wherein the electrophotographic photosensitive drum is mounted on a process cartridge attachable to/detachable from the main body of the electromagnetic image forming apparatus, and the electrophotographic photosensitive drum is used for forming an image on a recording medium when the process cartridge is mounted on the main body of the electrophotographic image forming apparatus.
- 15 12. A process cartridge attachable to/detachable from an electrophotographic image forming apparatus, comprising:
  - (i) a cartridge frame body;

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- (ii) a drum shaft supported by the cartridge
  20 frame body; and
  - (iii) an electrophotographic photosensitive drum supported rotatably by the drum shaft, including: a cylinder having an electrophotographic photosensitive member provided on the surface thereof; and flanges provided on end portions in the axial direction of the cylinder, wherein the flange

has an outer peripheral portion, a hole portion

engaging the drum shaft and a groove which engages a fixing pin provided in the drum shaft in a direction of intersecting the drum shaft, the groove being extended in the radius direction and transmitting a driving force of the drum shaft, and the flange is caulked by bending part of the cylinder inwardly in the radius direction at two positions opposing each other across the hole portion, at which the groove intersects the outer peripheral portion in an extending direction thereof; and

(iv) process means for acting for the electrophotographic photosensitive drum.

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- 13. A process cartridge according to claim 12,
  15 wherein the flange has a concave portion provided in
  the outer peripheral portion and part of the cylinder
  is bent inwardly in the radius direction and caulked
  to the cylinder.
- 20 14. A process cartridge according to claim 12, wherein the flange has a rib extended radiantly in the radius direction on the face of a side opposite to the side on which the groove is provided in the axial direction, and part of the cylinder is caulked 25 at positions other than the positions at which the rib intersects the outer peripheral portion in an extending direction thereof.

- 15. An image forming apparatus which allows a process cartridge to be attached/detached for forming an image on a recording medium, comprising:
- (i) a loading portion on which the process5 cartridge is mounted detachably;

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(ii) a process cartridge loaded on the loading portion, the process cartridge including a cartridge frame body, a drum shaft supported by the cartridge frame body, and an electrophotographic photosensitive drum supported rotatably by the drum shaft,

the electrophotographic photosensitive drum including: a cylinder having an electrophotographic photosensitive member provided on the surface thereof; and flanges provided on end portions in an axial direction of the cylinder, wherein the flange has an outer peripheral portion, a hole portion engaging the drum shaft, and multiple ribs extended radiantly in the radius direction, and the flange is caulked by bending part of the cylinder inwardly in the radius direction at two positions opposing each other across the hole portion, the two positions being other than positions at which the multiple ribs intersect the outer peripheral portion in the extending directions thereof; and

25 (iii) carrying means for carrying the recording medium.

- 16. An image forming apparatus which allows a process cartridge to be attached/detached for forming an image on a recording medium, comprising:
- (i) a loading portion on which the process cartridge is loaded detachably;

- (ii) a process cartridge loaded on the loading portion, the process cartridge including a cartridge frame body, a drum shaft supported by the cartridge frame body and an electrophotographic photosensitive 10 drum supported rotatably by the drum shaft, the electrophotographic photosensitive drum including: a cylinder having an electrophotographic photosensitive member provided on the surface thereof; and a flange provided on end portions in the axial direction of 15 the cylinder, wherein the flange has an outer peripheral portion engaging the cylinder, a hole portion engaging the drum shaft and a groove which engages a fixing pin provided in the drum shaft in a direction of intersecting the drum shaft, the groove 20 being extended in the radius direction and transmitting a driving force of the drum shaft, and the flange is caulked by bending part of the cylinder inwardly in the radius direction at two positions opposing each other across the hole portion, at which 25 the groove intersects the outer peripheral portion in an extending direction thereof; and
  - (iii) carrying means for carrying the recording

medium.

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17. An electrophotographic photosensitive drum for use in an electrophotographic image forming
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a cylinder having an electrophotographic photosensitive member provided on a surface thereof; and

a flange provided on an end portion in an axial direction of the cylinder,

wherein the flange comprises:

an outer peripheral portion;

a hole portion engaging the drum shaft; and
a groove which engages a fixing pin provided in
the drum shaft in a direction of intersecting the
drum shaft, the groove being extended in the radius
direction and transmitting a driving force of the
drum shaft,

and wherein the flange is caulked by bending a part of the cylinder inwardly in the radius direction at two positions located in a range of the outer peripheral portion between a position in which the groove intersects the outer peripheral portion in an extending direction thereof and a position in which a line passing a center of the hole portion and extending at an angle of 45° with respect to the

extending direction of the groove intersects the outer peripheral portion, the two positions being opposed with each other across a line intersecting the extending direction of the groove.

- 18. A process cartridge attachable to/detachable from an electrophotographic image forming apparatus, comprising:
  - (i) a cartridge frame body;
- (ii) a drum shaft supported by the cartridge
  frame body;
  - (iii) an electrophotographic photosensitive drum supported rotatably by the drum shaft, including a cylinder having an electrophotographic
- 15 photosensitive member provided on the surface thereof; and a flange provided on an end portion in the axial direction of the cylinder; and
  - (iv) process means for acting on the electrophotographic photosensitive drum,
- 20 wherein the flange includes: an outer peripheral portion;
  - a hole portion engaging the drum  $\operatorname{shaft}$ ; and
- a groove which engages a fixing pin provided in the drum shaft in a direction of intersecting the

  25 drum shaft, the groove being extended in the radius direction and transmitting a driving force of the drum shaft,

and wherein the flange is caulked by bending a part of the cylinder inwardly in the radius direction at two positions being located in a range of the outer peripheral portion between a position in which the groove intersects the outer peripheral portion in an extending direction thereof and a position in which a line passing the center of the hole portion and extending at an angle of 45° with respect to the extending direction of the groove intersects the outer peripheral portion, the two positions being opposed with each other across a line intersecting the extending direction of the groove.

- 19. An image forming apparatus which allows a
  15 process cartridge to be attached/detached for forming
  an image on a recording medium, comprising:
  - (i) loading portion on which the process cartridge is mounted detachably;
- (ii) a process cartridge loaded on the loading
  portion, the process cartridge including a cartridge
  frame body, a drum shaft supported by the cartridge
  frame body, an electrophotographic photosensitive
  drum supported rotatably by the drum shaft, process
  means for acting on the electrophotographic
  photosensitive drum, and the electrophotographic
  photosensitive drum having a cylinder having an

electrophotographic photosensitive member provided on

the surface thereof, and a flange provided on an end portion in an axial direction of the cylinder,

(iii) carrying means for carrying the recording
medium,

5 wherein the flange being comprises: an outer peripheral portion;

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a hole portion engaging the drum shaft; and

a groove extending in the radius direction and engaging a fixing pin provided in the drum shaft in a direction intersecting the drum shaft and the groove transmitting a driving force of the drum shaft,

and wherein the flange is caulked by bending part of the cylinder inwardly in the radius direction at two positions located in a range of the outer peripheral portion between a position in which the groove intersects the outer peripheral portion in an extending direction thereof and a position in which a line passing the center of the hole portion and extending at an angle of 45° with respect to the extending direction of the groove intersects the outer peripheral portion, the two positions being opposed with each other across a line intersecting the extending direction of the groove.